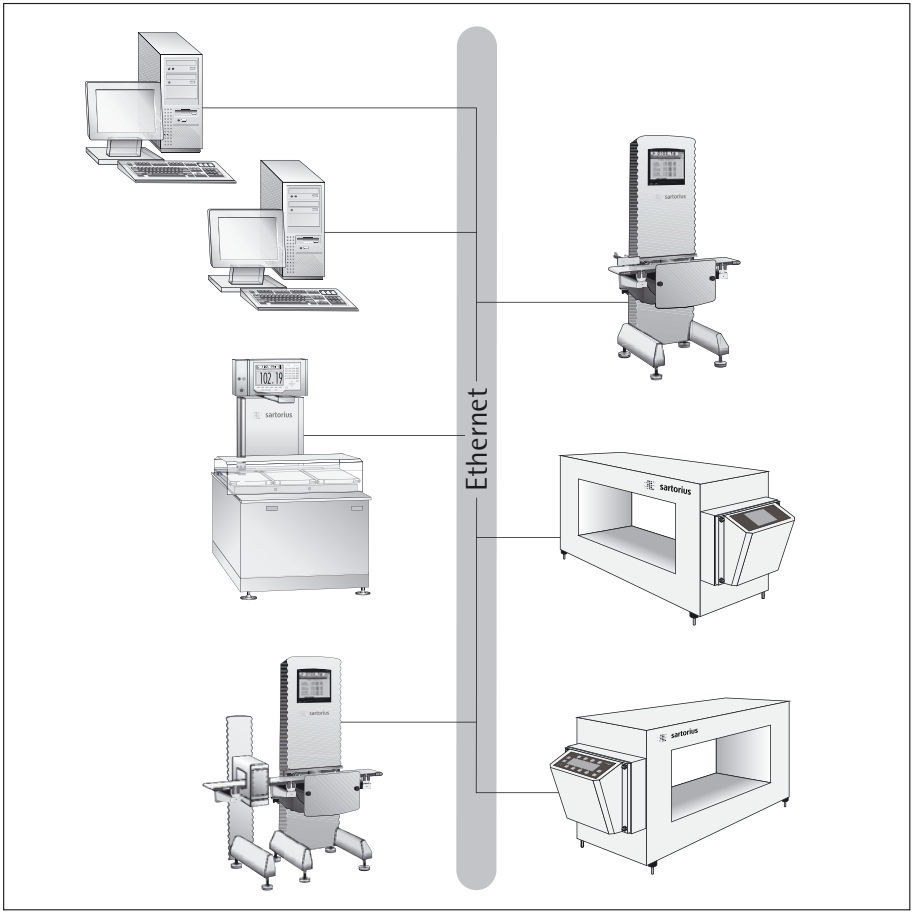
User Manual

Sartorius ProControl@Inline

Software Program



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Symbols
The following symbols are used in these instructions:

● indicates required steps

○ indicates steps required under certain conditions

> describes what happens after you have performed a particular step

– indicates an item in a list

indicates a hazard

Intended Use

Sartorius ProControl@Inline is designed for monitoring Sartorius checkweighers and metal detectors on production lines. SPCInline is a user-friendly program that makes it easy to check the connection of devices to the system server, monitor data transfer activity and manage the statistical data generated for every production batch.

These instructions describe the use of the SPCInline software.

Features
SPCInline communicates with checkweighers and metal detectors over TCP/IP. The software is installed on an application server and implements bidirectional communication with the networked checkweighers and metal detectors.

Common Keyboard Shortcuts
Keyboard shortcuts are provided for fast access to controls in the user interface, such as menu items and buttons.
Press ALT to view the shortcut character. Press the underlined letter (or other character) while holding down the ALT key to activate the corresponding control.

The following common Windows shortcuts are available:
- [Esc]: Closes the active window
- [Enter] (↵): Activates the default control (if any) in the active window
- [F1]: Opens the Help window.

Legal Notices
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Launching the Application

Starting the Application

- Double-click the SPCInline shortcut on the desktop,

or

- Click the Windows [Start] button and select [Sartorius], [SPCInline], [SPCInline] from the Start menu.
  If you have not licensed the full version, the demo notification dialog opens.
- Click [Continue] to proceed.

> The splash screen opens.

> After a moment, the splash screen closes and the Operator Login dialog opens.

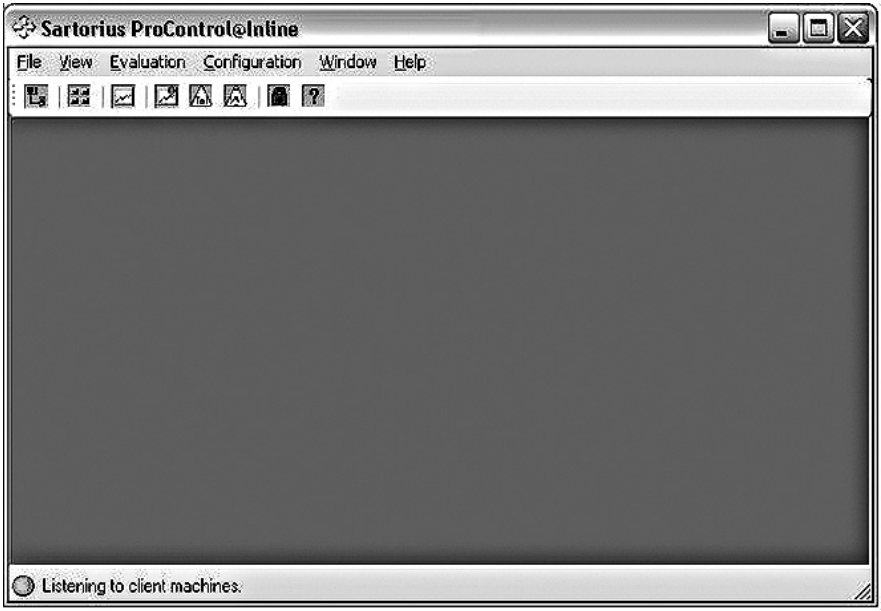
Logging-In

- Enter the password.
- Click [Ok].

Note:
You are only permitted three login attempts. The third time an invalid password is entered, the application shuts down automatically. The initial password for the application is “admin.”

You can change this password if desired.

The Main Window
Once you have entered your password, the main window opens. This window includes a menu bar and the SPCInline toolbar.
You can use keyboard shortcuts to access menu commands by holding down the ALT key and pressing the letter that is underlined in the menu name or menu item.



[File] Menu

- [Product Type]. Opens the Product List window.
- [Backup Process Data]. Opens the Backup window.
- [Export Achive Data]. Opens the Export Archive Data window.
- [Offline Batch]. Opens the Offline Batch dialog.
- [Set Password]. Opens the Password Setting window.
- [Log Off]. Locks the application.
- [Update License...]. Opens the license activation dialog.
- [Exit]. Shuts down the application.

[View] Menu

- [Monitoring]. Opens the Production Monitoring window.
- [Statistics]. Opens the Statistics Selection window
- [All Violations]. Opens the Alarm List window showing both time and tolerance violations.
- [Tolerance Violations]. Opens the Alarm List window showing tolerance violations only.
- [Time Violations]. Opens the Alarm List window showing time violations only.
- [Communication Logs]. Opens the Communication Logs window.

[Evaluation] Menu

- [Automatic Statistics]. Opens the Automatic Statistics window.
- [Manual Printout]. Opens the Manual Printout window.
- [Graphic Evaluation]. Opens the Graphic Evaluation window.
- [Downtime Report]. Opens the Downtime Report window.

[Configuration] Menu

- [Network Configuration]. Opens the Network Configuration window.
- [Alarm]. Opens the Alarm Settings window.
- [Statistics Definition]. Opens the Statistics Definition window.
- [Statistics Times]. Opens the Statistics Times window.
- [System Settings]. Opens the System Settings window.
- [Language]. Opens the Set Language window.

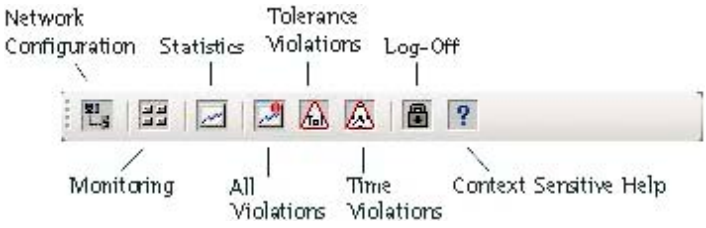
[Window] Menu

- [Cascade]. Arranges windows so they overlap.
- [Tile]. Arranges windows as tiles.
- [Close All]. Closes all open windows.

[Help] Menu

- [Contents]. Opens the Help window.
- [Context Sensitive Help F1]. Opens the Help window showing the relevant topic.
- [About...]. Opens the About window.

SPCInline Toolbar



Setting the Password
Once you have logged in to the SPCInline program, you can change the password at any time.

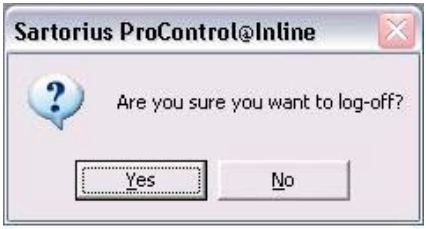
- Open the File menu in the main window and select “Set Password.”

> The Set Password dialog opens.

- Enter the current password in the “Old Password” field.
- Enter the new password in the “New Password” field, and again in the “Confirm New Password” field.
- Click [Ok] to save the new password.
  If you enter the old password incorrectly, or if your entry in the “New Password” field did not match your entry under “Confirm New Password,” the new password is not saved, and an error message is shown.

○ Click [Cancel] to retain the old password.

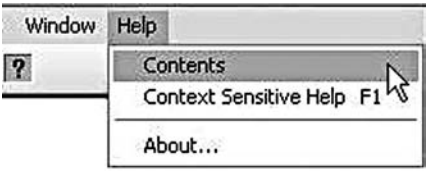
Logging Out
If you log out while batch processing is in progress, the application is locked to prevent unauthorized use and processing continues in the background. Other users can access the program only by entering a valid password.



- Open the File menu in the main window and select “Log Off.”

> A message box opens prompting you for confirmation.

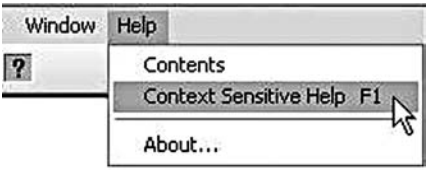
- Click [Yes].



Opening the Help Window

- Open the Help menu in the main window and select “Contents.”

> The Help window opens and shows the table of contents.

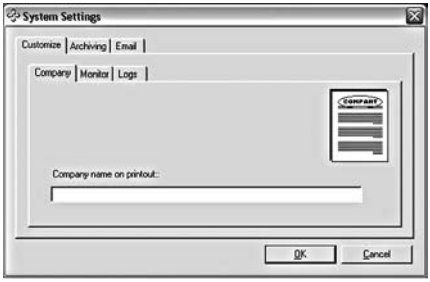


- Select “Context Sensitive Help” from the Help menu or press F1.

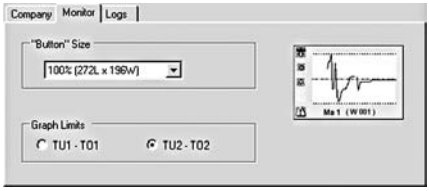
> The Help window opens with a default topic related to the active window.

Customizing Settings

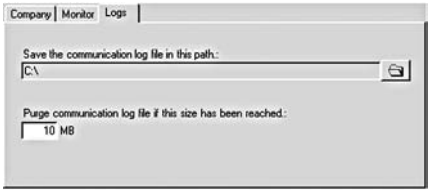
System Settings
Application properties that do not require frequent reconfiguration can be modified in the System Settings window. We recommend configuring these settings immediately following installation of the program.



- Open the Configuration menu in the main window and select “System Settings.”
- On the [Customize] page of the [Company] dialog page, enter your company’s name under “Company name on printout.” This name is included in the header of report printouts.



- On the Monitor page of the [Customize] dialog page, you can define the size of the production monitor button by selecting a size from the drop-down “Button size” list.
- To define the display of limits, select an item from the “Graph limits” drop-down list.
  - Select “-T1 to +T1” (or “TU1-TO1”) if you wish to have only the lower and upper warning limits shown.
  - Select “-T2 to +T2” (or “TU2-TO2”) if you wish to have the lower and upper tolerance limits shown as well.



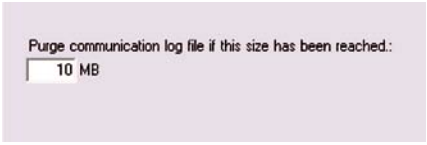
- Open the [Logs] page of the [Customize] dialog page to define the directory in which log files are saved; click the [Browse] button to browse to the desired directory.

> The Browse For Folder window opens.

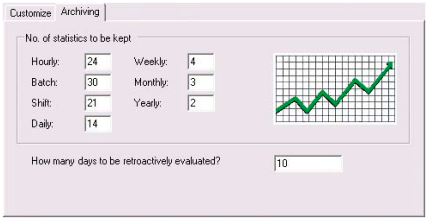
● Select a folder from the list.

– Click the [Make New Folder] button if you wish to create a folder.

● Click [OK] to proceed.



● If desired, you can change the size limit for log files under “Purge communication log file if this file size has been reached.”



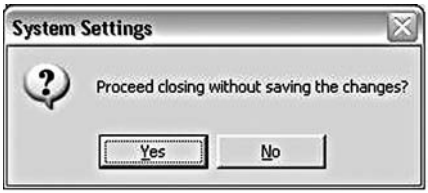
On the [Archiving] dialog page, you can change the values for each statistics type, as long as the new value is within the permitted range. If you enter a value outside this range, the field returns to the default value. These values define the quantity of statistics to be retained for each batch during archiving.

The number of days for retroactive evaluation defines the end date of the default archiving period. For example, if the number of days for retroactive evaluation is 30 (A) and the date of the latest recorded sample is February 3, 2006 (B), then the end date is January 4, 2006. The program counts backward from sample date B by A number of days.

To confirm changes:

- Click [OK].

> The settings are saved and the window closes.
If you click Cancel without having first clicked Apply, you are prompted to confirm that the window will be closed without saving changes.



To close without saving changes:
- Click [Yes].

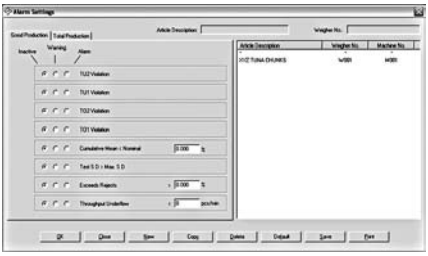
To cancel the operation and leave the window open:
- Click [No].

> The window remains open.

Note:
Some changes might not be take effect until the application is restarted.

Alarm Configuration

- Open the Configuration menu in the main window and select “Alarms.”



> The Alarms Configuration window opens.

To create a new setting for a certain article / checkweigher combination:

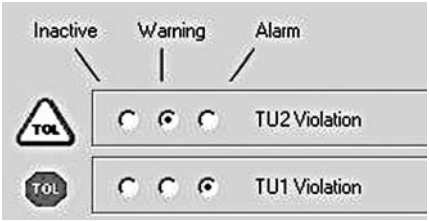
- Click the [New] button.

> The drop-down lists for selecting article and weigher number appears.

- Select an item in the “Article Description” field.
- Select an item in Weigher No. field.

Note:
An asterisk (*) in the “Article Description” or “Weigher No.” field means “apply to all articles” or “apply all checkweighers,” respectively.

You can change the settings for violations as well.

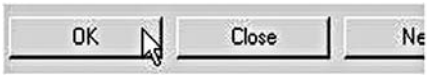


- To do this, select the desired severity level – Inactive, Warning, or Alarm – for each violation on both the [Good Production] page and the [Total Production] page.

To restore the default settings for all violations at once:

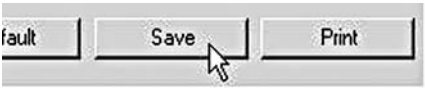
- Click the [Default] button.

There are two ways to save settings:



- Click [OK] to save changes and close this window,

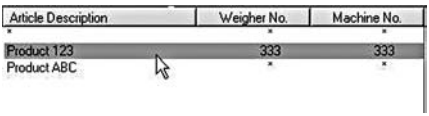
or



- Click the [Save] button to save changes and keep the window open.

Editing Alarm Settings
To modify an existing alarm setting:

- Select an item from the Alarm Settings list.



> This loads the settings stored for the selected item on the Good Production and Total Production pages to the left of the list.

- Modify the settings as desired.
- Click [OK] or [Save] to save your changes.

Deleting Alarm Settings

- Select an item from the Alarm Settings list.

- Click the [Delete] button.

> You are prompted to confirm.

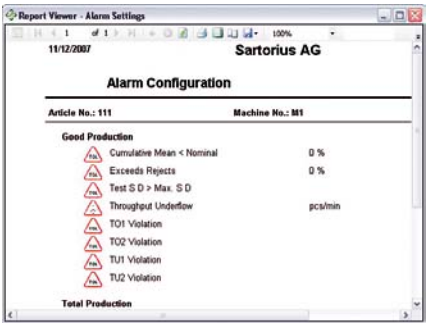
- Click [Yes] to proceed.

  Repeat these steps for each item that you wish to delete.

Printing the Alarm Settings

- Select an item from the Alarm Settings list.

- Click the [Print] button.

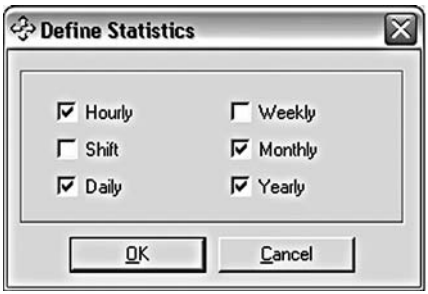


> The Report Viewer opens.

- Click the [Print] button on the toolbar in the Report Viewer to send the report to the printer.

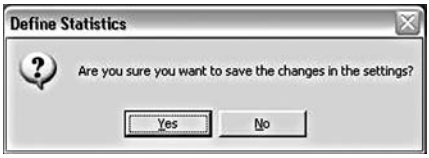
Defining Statistics

- Open the Configuration menu in the main window and select “Define Statistics.”



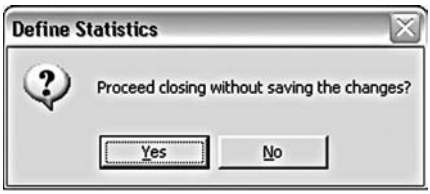
> The Define Statistics window opens.

- Click the checkbox next to each desired statistics type to activate that type.
- Remove checkmarks from statistic types that you do not wish to collect during batch processing.
- Click [Ok] to save your changes.



> You are prompted to confirm.

- Click [Yes] to save.

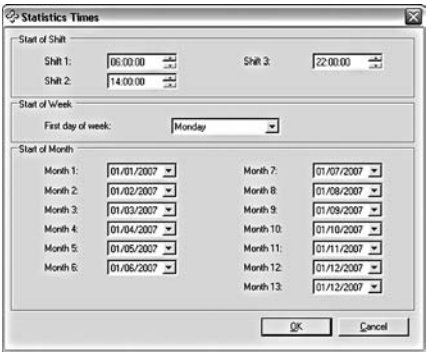


If you click the [Cancel] button after having made changes, you are prompted to confirm before the window is closed.

- Click [Yes] to close the Define Statistics window without saving changes.

Setting Statistics Times

- Open the Configuration menu in the main window and select “Statistics Times.”



> The Statistics Times window opens.

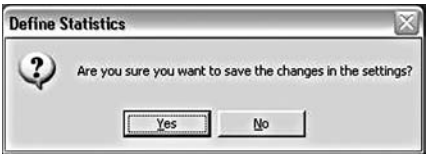
- You can set the start times for the three shifts as desired; stop times are set automatically. The stop time of Shift 1 is one minute before the start time of Shift 2, the stop time of Shift 2 is one minute before the start time of the Shift 3, and the stop time of Shift 3 is one minute before the start time of the Shift 1.

- Change the value in the “First day of week” field, if desired.

- Set the start dates for months 1 through 13.

  The start date of Month 1 should be before the start date of Month 2, the start date of Month 2 should be before the start date of Month 3, and so on.

- Click [OK] to save your changes.



> You are prompted to confirm.

- Click [Yes] to save.

Setting the Language

- Open the Configuration menu in the main window and select “Language.”

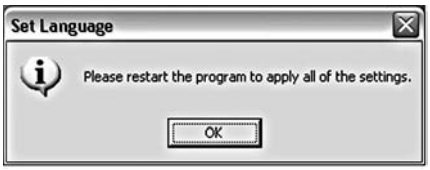
> The “Set Language” dialog opens.

- Select the desired language to be used.

- Click the [OK] button.

> You are prompted to confirm.

- Click [Yes] to commit changes.



> You are asked to restart the program before the change takes effect.

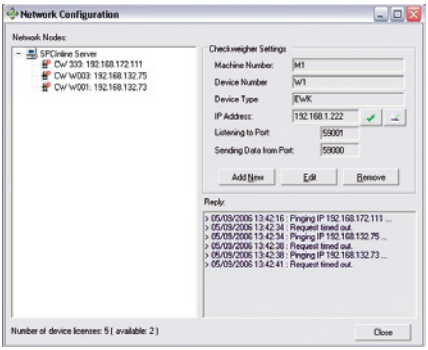
Registering Devices

To open the Network Configuration window:

- Open the Configuration menu in the main window and select “Network,”

or

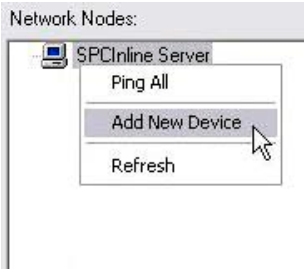
- Click the [Network Configuration] button on the SPCInline toolbar.



> The Network Configuration window opens.

Adding Devices

– If no devices have been registered yet, for example, if your are using the program for the first time:



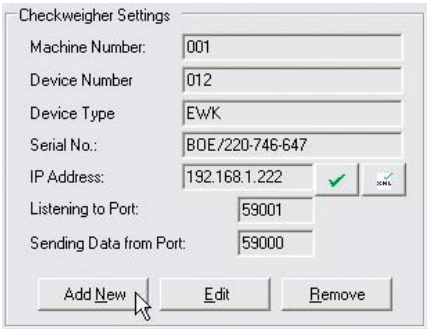
- Right-click on the SPCInline Server icon.

> A shortcut menu opens.

- Select “Add New Device.”

– If one or more devices have already been registered:

● Left-click on any device node.

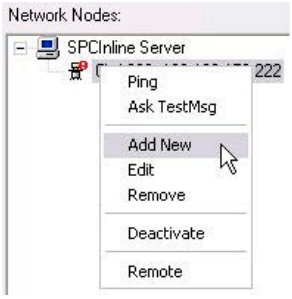


> The Checkweigher Settings box opens on the right-hand side.

● Click the [Add New] button in this window.

Or after selecting a device node:

● Right-click on the device node.

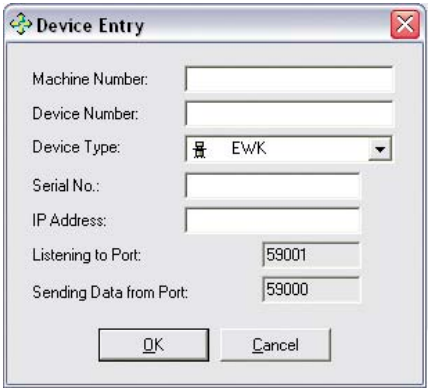


> A shortcut menu opens.

● Select “Add New.”

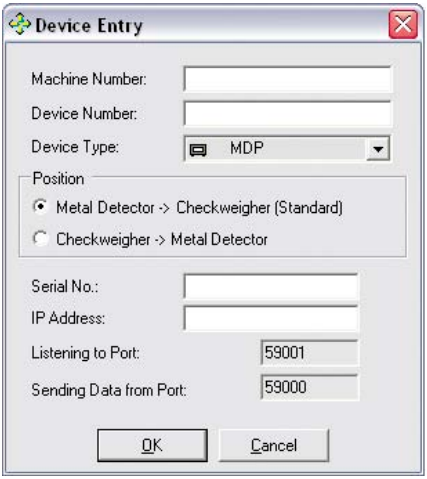
As a result of the above actions:

> The “Device Entry” window opens.



● Enter the required device information.

● Select an appropriate “Device Type.”



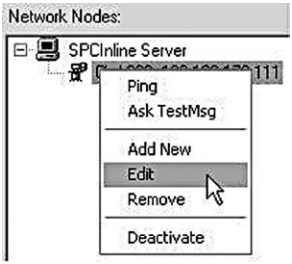
If the MDP device type is selected, an additonal option is displayed.

○ Select “Metal Detector -> Checkweigher (Standard)” if products will pass through the metal detector before passing through the checkweigher. Otherwise, select “Checkweigher -> Metal Detector.”

Note:
If no checkweigher is installed in the production line, select the “Standard” position.

● Click [OK] to save the data.

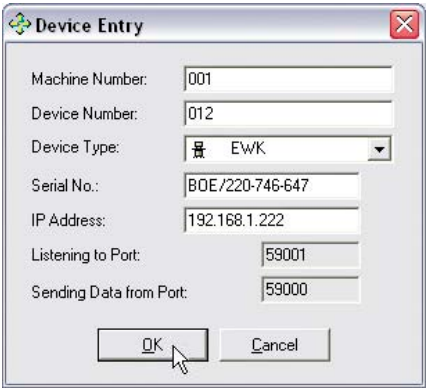
Note:
IP addresses must be entered in the correct format; otherwise, an error message is shown after you click [OK] and the information is not saved.



Editing Devices

● Right-click on a device node in the Network Nodes tree.

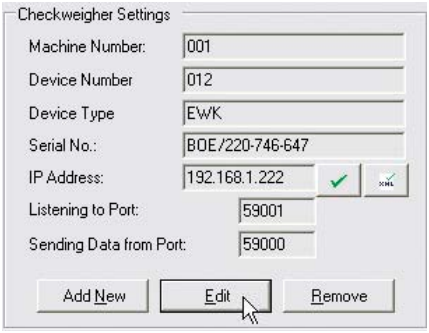
● Select “Edit” from the shortcut menu.



> This opens the Device Entry window and loads the data on the selected checkweigher in the input fields.

○ Edit the fields as desired.

● Click [OK] to save.



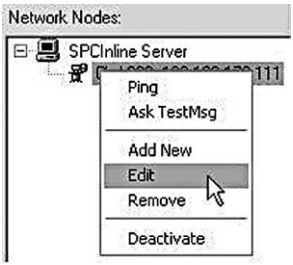
There is another way to open the Device Entry window:

- Select a device node from the Network Nodes tree.

> The Checkweigher Settings box opens with the data from the selected checkweigher.

- Click the [Edit] button to open the window for editing data.

> The Device Entry window opens.



Deleting Devices

- Right-click on a device node in the Network Nodes tree.
- Select “Remove” from the shortcut menu.

> You are prompted to confirm.

- Click [Yes] to delete the device information.

You can do the same in the Checkweigher Settings box:

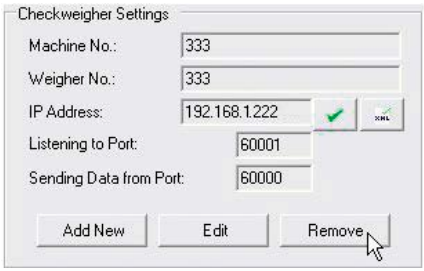
- Select a device node.

> The Checkweigher Settings box opens with the data from the selected checkweigher.

- Click the [Remove] button.

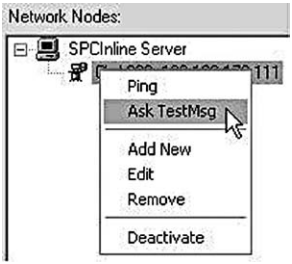
> You are prompted to confirm.

- Click [Yes] to delete.



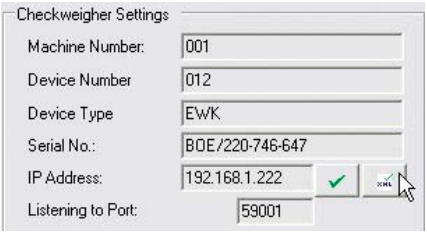
Note:
A device that is currently processing a production batch can not be deleted.

Retrieving Device Data
To confirm that a network node is a checkweigher, you can request an XML test message containing the device information directly from the checkweigher in question.



- Right-click on a device node in the Network Nodes tree.
- Select “Ask TestMsg” from the shortcut menu.
- The request takes a moment to process.

To request a TestMsg.xml file in the Checkweigher Settings box:

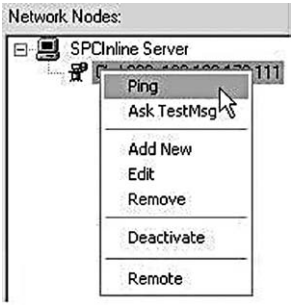


- Select a device node.

> The Checkweigher Settings box opens with the data from the selected checkweigher.

- Click the [Ask TestMsg] button.

The communication between the server and the device is shown in the “Reply” box.

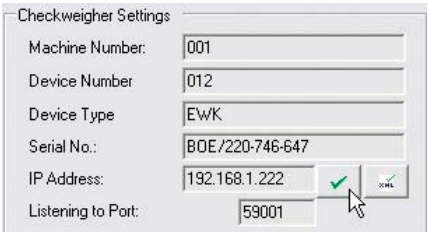


Pinging Devices
To test device network connections, you can send a ping request to each device.

- Right-click on a device node in the Network Nodes tree.
- Select “Ping” from the shortcut menu.

> If the device is not connected or could not be reached, a red circle with an exclamation point is shown next to the checkweigher icon in the Network Nodes tree. If the ping request is successful, the red circle will disappear.

Note:
Results of the ping request are displayed in the Reply box in the Network Configuration window.
You can also ping a device in the Checkweigher Settings box.



- Select a device node.

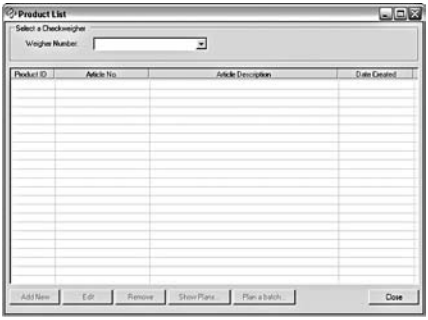
> The Checkweigher Settings box opens with the data from the selected checkweigher.

- Click the [Ping] button.

To ping all devices at one time:

- Right-click on the SPCInline Server node.
- Select “Ping all” from the shortcut menu.

Managing Product Types (Checkweigher)



The list of product types is shown in the Product List window. To open the window:

- Open the File menu in the main window and select “Product Type,” “Checkweigher.”

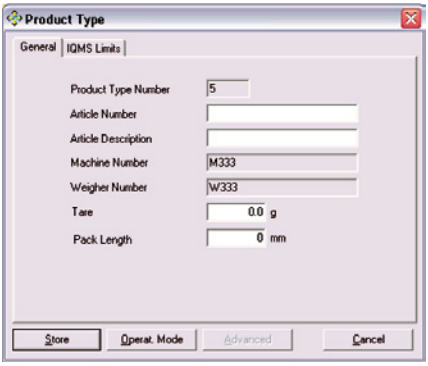
> The Product List window opens.

- Select a checkweigher from the dropdown list.

> The product types, related to the selected checkweigher, if any, are displayed.

Adding Product Types

- From the Product List window, click the [Add New] button.



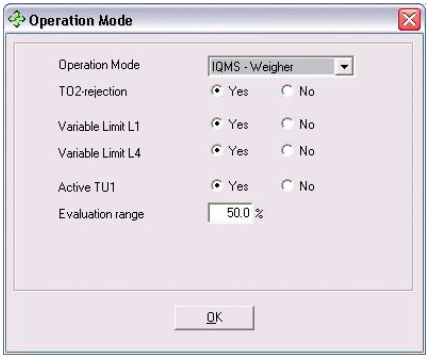
> The Product Type window opens.

Note:
The entry fields may vary depending on the release options that are activated in the checkweigher.

If the Check For Completeness option is activated, the Completeness tab will appear in the dialog.

- Enter the required product type information.

○ Click the [Operat. Mode] button to change the settings of the Operation mode.



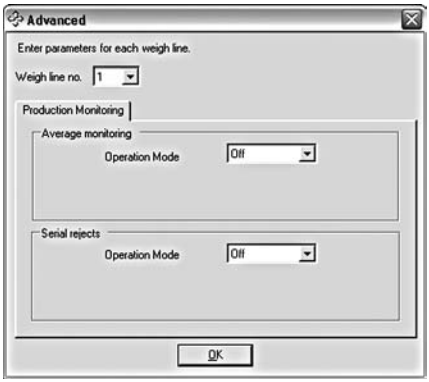
> The Operation Mode window opens.

○ Modify the settings if desired.

○ Click the [OK] button.

> The Operation Mode window closes. Depending on the settings, some of the fields in the Product Type window maybe altered.

○ Click the [Advanced] button to change the settings of the Production Monitoring option.



> The Advanced window opens.

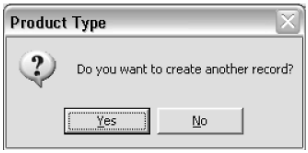
○ Modify the settings if desired.

○ Click the [OK] button.

> The Advanced window closes.

Note:
The [Advanced] button will only be enabled if the Production Monitoring option is activated for the checkweigher.

● From the Product Type window, click the [Store] button to save the product type.



> You are prompted to create a new product type.

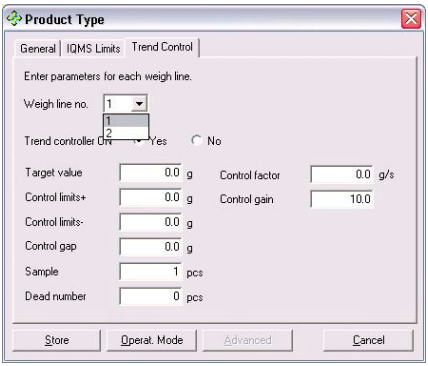
If you click [Yes], follow the same procedures as above. Otherwise,

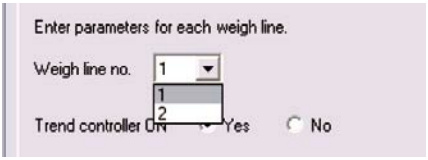
> The Product Type window closes.

> The Product List window refreshes the list showing the new product type.

Setting-up Parameters for each Weigh line

The parameters for the trend controller are applied to each of the weigh lines of the checkweigher. To setup weigh line parameters:



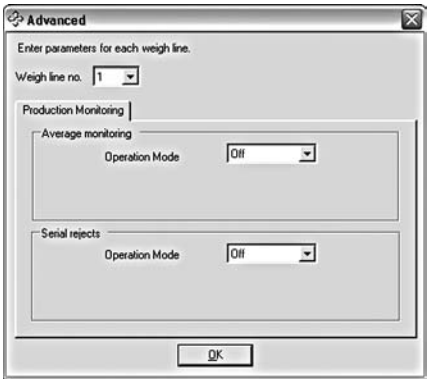


- Select a weigh line number from the “Weigh line no.” dropdown list (on multi-line systems).
- Enter values in the fields.
- Select another weigh line number from the list.

> The previous settings are saved to the previously selected weigh line.

> The field values are set to default.

○ Repeat until the parameters of all weigh lines are entered.



Note:
The Trend Controller tab will appear in the Product Type window if one of the three trend controllers in the checkweigher is activated.

The same procedures are followed in the Advanced window.

Editing Product Types

- From the Product List window, select a product type and click the [Edit] button.

  Or,

- Double-click on a product type.

> The Product Type window opens, containing the stored parameter values of the selected product.

- Modify the fields as needed.

- Click the [Store] button to save the changes.

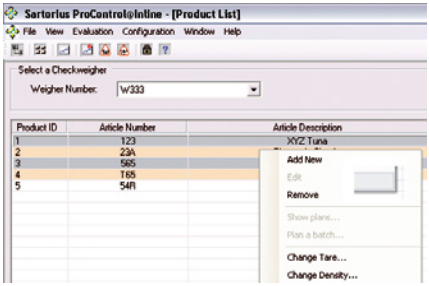
> You are prompted whether to send the file to the checkweigher or not.

- Click [Yes] to send, otherwise, click [No].

> You are prompted to create a new product type.

If you click [Yes], follow the procedures for adding a new product type. Otherwise,

> The Product Type window closes.



Copying Product Types
A product type can be copied from one checkweigher to one or more checkweighers.

- Select one or more product types from the list.
- Right-click on the selected product types.
- Select “Copy to weigher ...” from the context menu.

> The Copy to Weigher dialog opens.

- Check one or more weigher numbers from the list to which the product types are to be copied.
- Click the [OK] button.

> The dialog closes.

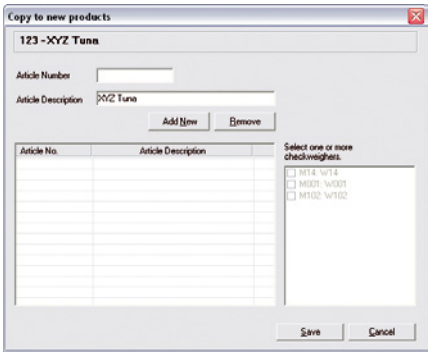
> The selected product types are copied to the selected weigher numbers.

A product type can be copied to one or more new products.

- Select a product type from the list. This will serve as the source copy.

● Right-click on the selected product type.

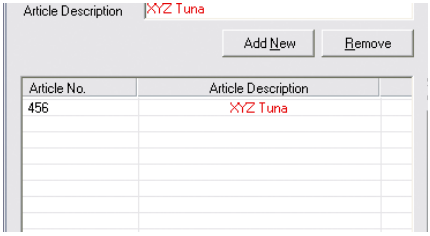
● Select “Copy to new products...” from the context menu.



> The “Copy to new products” dialog opens. To add a new product,

● Enter the Article Number and the Article Description.

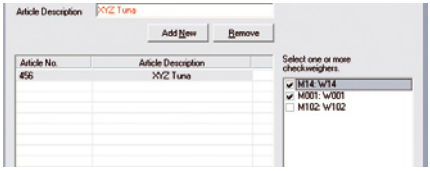
● Click the [Add New] button.



> The new product is added to the list.

Note:
If the texts turn to red, this means that the Article Number or the Article Description is the same as that of the source article.

To add the product to one or more check-weighers,



● Select the newly added product from the list.

● On the checkweigher list on the right side, check the checkweighers where the product should be added.

○ Repeat as required to add additional products.

To remove a product from the list,

- Select a product from the list.
- Click the [Remove] button.

To save the list of new products,

- Click the [Save] button.

> The products are saved to the database. Each product will have the same details as that of the source product.

Note:
Only valid products will be saved.
A notification message is shown if the products can not be saved to the database, especially if the product is not compatible to the weigh cell range of the checkweigher.

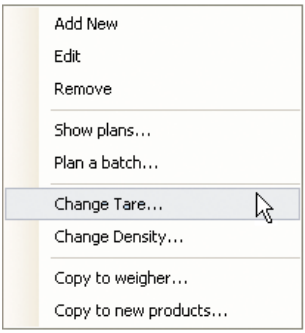
Removing Product Types
To delete one or more product types:

- Select the product types from the list.
- Click the [Remove] button.

> You are prompted to confirm.

- Click [Yes] to proceed.

Changing Tare and Density Values
To change the tare value of one ormore products,



- Select one or more product types from the Product List window.
- Right-click on the selected product types.
- Select “Change Tare...” from the context menu.
- Select “Change Density...” to change the density value instead.

> The “Change Tare” dialog opens.

- Enter the new value.
- Click [OK] to save the new value.

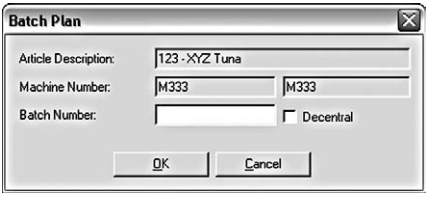
Note:
Use the [Ctrl]+[Z] keys to “Undo” the latest changes made to the product list.

Creating Batch Plans
To create a batch plan,

- Select a product type from the Product List window.
- Click the [Show Plans...] button.

> The Plan List window opens.

- Click the [Add New] button.



> The Batch Plan window opens.

- Enter a value in the Batch Number field.
- ○ Click “Decentral” if you want to create a decentralized batch number.
- Click the [OK] button to save the batch plan.

> The Batch Plan window closes.

> The Plan List window refreshes the batch plan list.

You can also create a batch plan without displaying the Plan List window.

- Select a product type from the Product List window.

- Click the “Plan a batch...” button.

> The Batch Plan window opens.

- Follow the procedures listed above.

Removing Batch Plans

- From the Plan List window, select one or more batch plans.
- Click the [Remove] button.

> You are prompted to confirm.

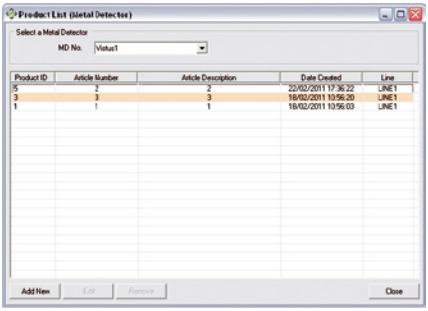
- Click [Yes] to proceed.

Managing Product Types (Metal Detector)

The list of product types is shown in the Product List window. To open the window:

- Open the File menu in the main window and select “Product Type,” “Metal Detector.”

> The Product List window opens.



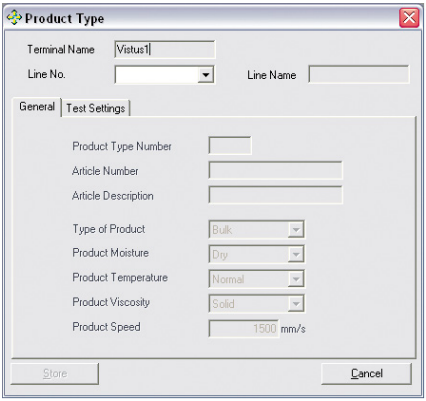
- Select a metal detector number from the dropdown list.

> The product types, related to the selected metal detector, if any, are displayed.

Adding Product Types

- From the Product List window, click the [Add New] button.

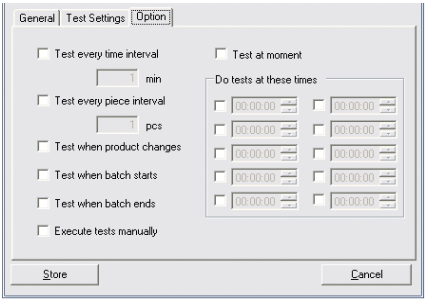
> The Product Type window opens.



- Select a line number.

> The fields are enabled.

- Enter the required product type information.



Note:
The [Option] tab will only be available if one of these test types are selected: “Extended,” “Standard,” “Single”

- From the Product Type window, click the [Store] button to save the product type.

> You are prompted to create a new product type.

If you click [Yes], follow the same procedures as above. Otherwise,

> The Product Type window closes.

> The Product List window refreshes the list showing the new product type.

Editing Product Types

- From the Product List window, select a product type and click the [Edit] button.

Or,

- Double-click on a product type.

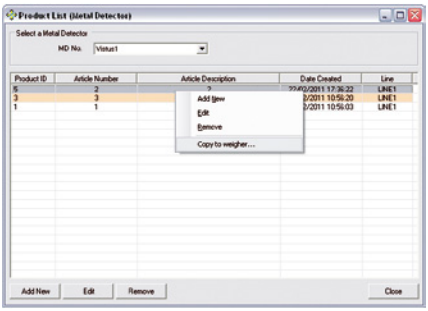
> The Product Type window opens, containing the saved parameter values of the selected product.

- Modify the fields as needed.
- Click the [Store] button to save the changes.

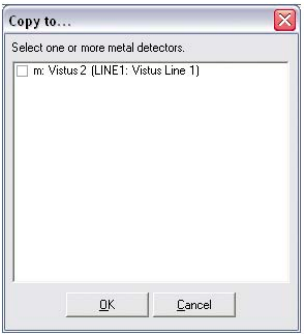
> The Product Type window closes.

Copying Product Types

A product type can be copied from one metal detector to one or more metal detectors.



- Select one or more product types from the list.
- Right-click on the selected product types.
- Select “Copy to ...” from the context menu.



> The “Copy to ...” dialog opens.

- Check one or more metal detector numbers from the list where the product types will be copied.
- Click the [OK] button.

> The dialog closes.

> The selected product types are copied to the selected metal detector line numbers.

Removing Product Types

To delete one or more product types,

- Select the product types from the Product List window.
- Click the [Remove] button.

> You are prompted to confirm.

- Click [Yes] to proceed.

Monitoring Production Batches

The Monitoring Window
Each production batch is represented in the Monitoring window as a large button. Each of these buttons shows the activity of the batch, alarm icons for violations that occurred and the total production graph.

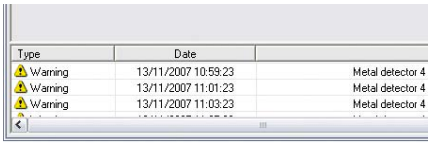
To open this window:

- Open the View menu in the main window and select “Monitoring,”

or

- Click the [Monitoring] button on the SPCInline toolbar.

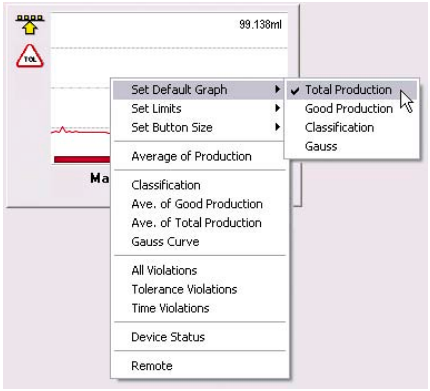
> The Monitoring window opens.



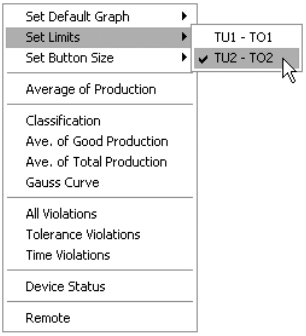
Each on-going batch is represented by an active production button as seen in the figure.

By default, the total production graph is displayed by the active button. You can toggle through different graphs. To do so,

- Right-click an active production button.
- Select the “Set Default Graph” from the shortcut menu.
- Select a graph type from the sub-menu.



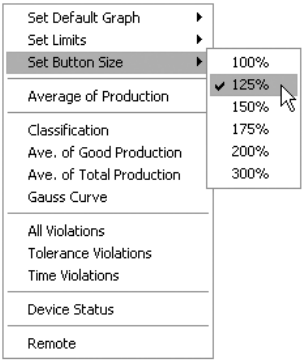
Note:
If a batch is started by a stand-alone metal detector, the only available menu item is "Close." If clicked, this will close the production button.



Setting Limits
To set the limits of the mean value graph:

- Right-click an active production button.
- Select the "Set Limits" from the shortcut menu.
- Select a limit from the sub-menu.

Note:
The "Set Limits" menu is available if the default graph is a Good Production or Total Production.

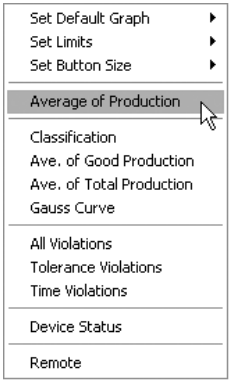


Setting Button Sizes
To set the size of the production button:

- Right-click an active production button.
- Select the "Set Button Size" from the shortcut menu.
- Select the desired size from the sub-menu.

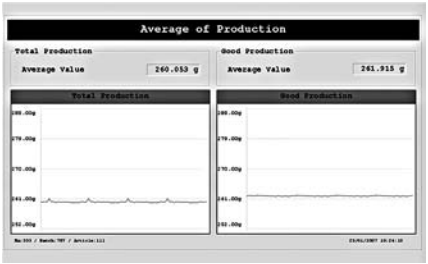
Viewing Graphs

Clicking an active production button will display the enlarged version of the default graph in a separate window. You may select and display a specific graph using the shortcut menu.

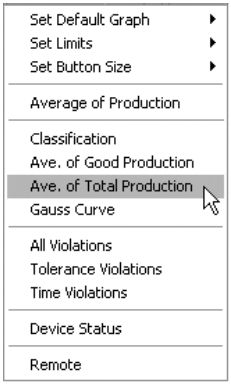


To view the “Average of Production” graph of a running batch:

- Right-click an active production button.
- Select “Average of Production” from the shortcut menu.

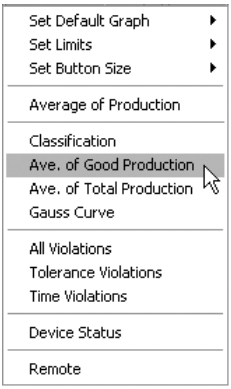


> The graph window opens.



To view the “Average of Total Production” graph:

- Right-click an active production button.
- Select “Ave. of Total Production” from the shortcut menu.



To view the “Average of Good Production” graph:

- Right-click an active production button.
- Select “Ave. of Good Production” from the shortcut menu.

> The graph window opens.

To view the Gaussian distribution:

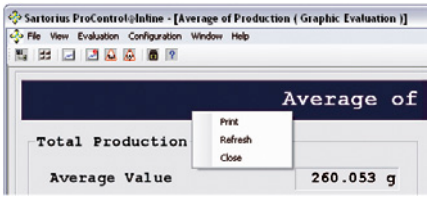
- Right-click an active production button.
- Select “Gauss Curve” from the shortcut menu.

> The graph window opens.

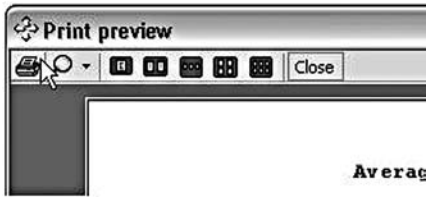
To view the “Classification” graph:

- Right-click an active production button.
- Select “Classification” from the shortcut menu.

> The graph window opens.



Using Graphs
When right-clicked, there are three menu commands available directly in the context menu of the graphs: “Print,” “Refresh,” and “Close.”



To print a graph:

- Click the “Print” menu item.

> The print preview window opens.

- Click the [Print] button in the upper left-hand corner of this window.

> The image is sent to the printer.

Note:
Please keep in mind, particularly if the production batch is still running, that the graph values on the printout are just a snapshot of the values that were current at the time the graph window was opened.

To capture the latest graph values:
- Click the “Refresh” menu item.

To close the graph window:
- Click the “Close” menu item.

Viewing Violations
When preset time or tolerance limits are exceeded, a warning symbol is displayed on the batch button in the Monitoring window. The following warnings and alarms may be shown:

– Tolerance alarm

– Tolerance warning

– Time alarm

– Time warning

Metal Detection:

– Metal contamination

– Performance validation request

– Sign-of-life signal not received

– Performance validation successful

Completeness:

– Good

– Incomplete, overfilled

To view the list of tolerance violations:

- Right-click the active production button.
- Select “Tolerance Violations” from the shortcut menu.

> This opens the Alarm List window with the tolerance violation logs for a specific production batch.

To view the list of time violations:

- Right-click the active production button.
- Select “Time Violations” from the shortcut menu.

> This opens the Alarm List window with the time violation logs for a specific production batch.

To view the list of both tolerance and time violations:

- Right-click the active production button.
- Select “All Violations” from the shortcut menu.

> This opens the Alarm List window with both the tolerance and time violation logs for a specific production batch.

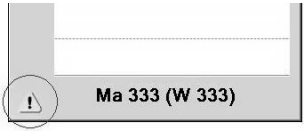
Viewing Statistics
Select one or more items in the Alarm List and click the Statistics button to view details, including the times when violations occurred. See “Monitoring Events” for more information.

Viewing the Device Status
When an error occurs in the checkweigher, a notification is sent to the server.

To view the latest error:

- Right-click the active production button.
- Select “Device Status” from the shortcut menu.

> A window opens displaying a description of the error.

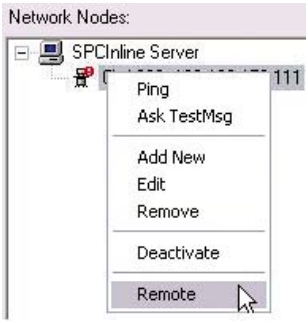


The “Device Status” shortcut menu item is disabled if there are no error messages from the checkweigher. A warning symbol in the lower left-hand corner of a batch button indicates that a device error has occurred in that batch.

Checkweigher Remoting
To launch the SPC@Remote application,

- Right-click the active production button.
- Select “Remote” from the shortcut menu.

> The SPC@Remote program opens.

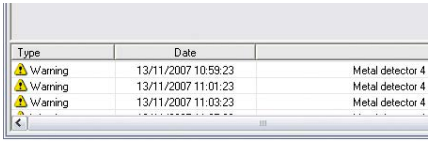


You can launch SPC@Remote application from the Network Configuration window also. To do this,

- Open the Network Configuration window.
- Right-click on a device node in the Network Nodes tree.
- Select “Remote” from the shortcut menu.

> The SPC@Remote program opens.

Note:
SPC@Remote is an optional feature which can be launched only if the license is purchased.


Type
Date
Warning 13/11/2007 10:59:23 Metal detector 4
Warning 13/11/2007 11:01:23 Metal detector 4
Warning 13/11/2007 11:03:23 Metal detector 4

The Message Pane
Messages that are generated to inform the user about certain events are displayed in the message pane of the Monitoring window. Messages are classified into three types: information, warning, or alarm. The pane may contain 300 messages. When this number is reached, the oldest message is deleted.

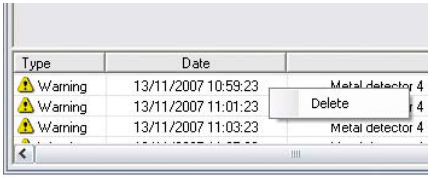
To manually delete one or more messages,

- Select one or more items from the list.
- Right-click on the selected items.

> A shortcut menu opens.

- Select the “Delete” menu item.

> The selected items are removed.

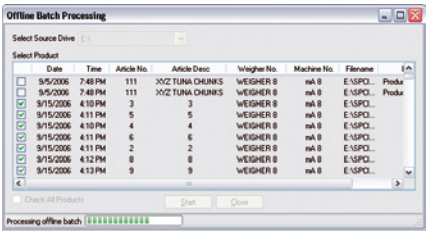


Running Offline Batches
To run an offline batch,

- Connect the disk (stick) to a USB port.

Note:
The disk (stick) must contain the XML files from a checkweigher. SPC@Inline requires the correct directory structure on the disk (stick). Any changes to the structure may cause errors when reading the files. When loading the files from the checkweigher, the appropriate structure is created on the disk (stick) by default.

- Open the File menu and select “Offline Batch.”

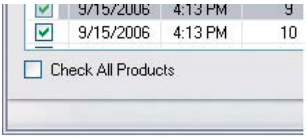


> The Offline Batch Processing window opens.

- Select the source drive.

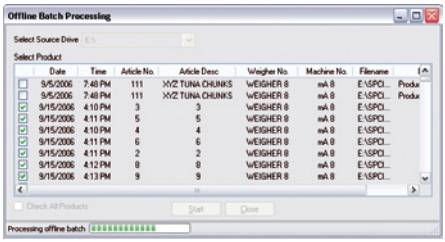
> The list of products is displayed. These are the products that were used during offline batch processing.

Note:
The items in the list that are displayed in red font are either erroneous or may already exist in the database. You may check the “Remarks” field for a detailed description.



- Select one or more products to be saved to the database.

○ Select “Check All Products” to select all listed products.



- Click the [Start] button to process the batch.

> The batch is processed. Wait until it is finished.

- When done, click the [Close] button to close the window.

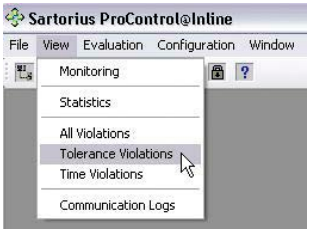
Note:
The offline checkweigher must be registered and activated with a license via the Network Conifiguration window. You may enter a temporary IP address, but the machine number, weigher number, and serial code should match the actual values found in the checkweigher.

Monitoring Events

Opening the Alarm List Window
As described in Chapter 5, you can open the Alarm List by right-clicking on a batch button in the Monitoring window. With this method, however, the list contains only the violations that occurred in a specific production batch.

Alternatively, you can click the corresponding toolbar button or use a menu command in the main window. With this method, the Alarm List window shows all violations from all processed batches.

To view the list of tolerance violations:

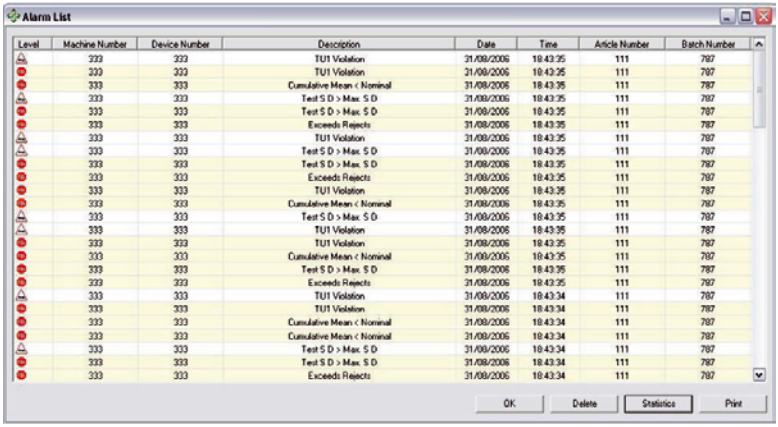


- Open the View menu and select "Tolerance Violations,"

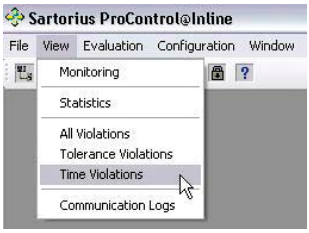
or

- Click the [Tolerance Violations] button on the SPCInline toolbar.

> The Alarm List window opens.



To view the list of time violations:



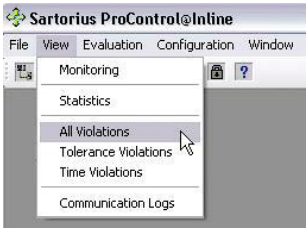
- Open the View menu and select “Time Violations,”

or

- Click the [Time Violations] button on the SPCInline toolbar.

> The Alarm List window opens.

To view a list of both tolerance and time violations:



- Open the View menu and select “All Violations,”

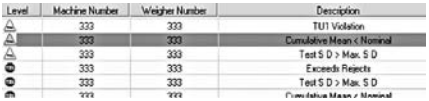
or

- Click the [All Violations] button on the SPCInline toolbar.

> The Alarm List window opens.

Using the Alarm List Window

To view details on a violation:



- Select the desired item from the Alarm Settings list.
- Double-click on the selected item.

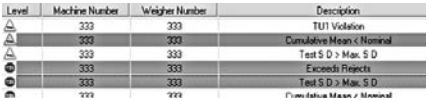
or

- Click the [Statistics] button at the bottom of the Alarm List window.

> The Statistics window opens. See “The Statistics Window” for more information.

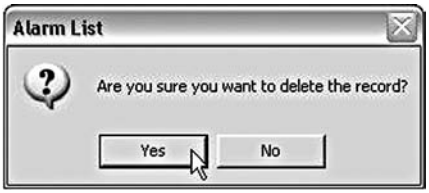
You can “clean up” the alarm list by removing data from the violation logs.

○ To select more than one item, hold down the Control key (Ctrl) while clicking the desired items.



- Select the item(s) to be deleted from the list.

- Click the [Delete] button in the bottom right-hand corner of the Alarm List window.



> You are prompted to confirm.

- Click [Yes] to delete.

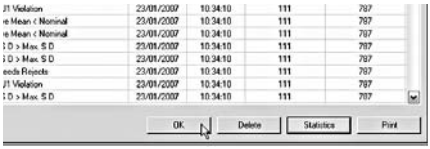
To print the alarm list:

- Click the [Print] button in the bottom right-hand corner of the Alarm List window.

> The Report Viewer opens.

- Click the [Print Report] button on the toolbar in the Report Viewer to send the report to the printer.

To close the Alarm List window:



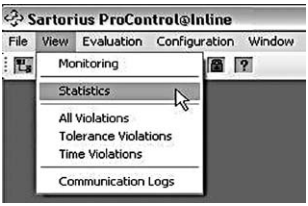
- Click the [OK] button in the bottom right-hand corner of the window.

> The window closes.

The Statistics Window

Using the Statistics Selection Window
The Statistics Selection window is similar to the Alarm List window, but shows the list of the production batch data without any information on violations.

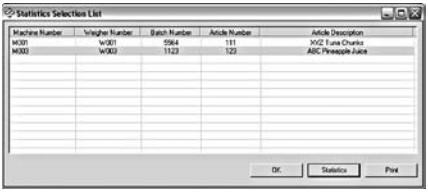
To open the Statistics Selection window,



- Open the View menu in the main window and select “Statistics,”

or

- Click the [Statistics] button on the SPC@ Inline toolbar.



> The Statistics Selection window opens.

To view statistics on a particular batch:

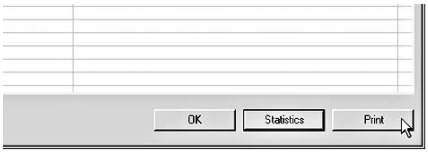
- Select an item from the list.
- Click the [Statistics] button at the bottom of the window,

or

- Double-click on the selected item.

> The Statistics window opens.

To print the list,

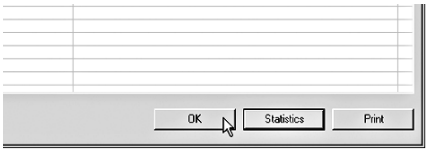


- Click the [Print] button in the bottom right-hand corner of the Statistics Selection window.

> The Report Viewer opens.

- Click the [Print Report] button on the toolbar in the Report Viewer to send the report to the printer.

To close the Statistics Selection window:



- Click the [OK] button in the bottom right-hand corner of the window.

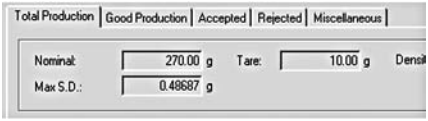
> The window closes.

Using the Statistics Window
The main statistical information in the Statistics Window is divided into five pages as follows: The Total Production page shows statistics on overall production; the Good Production page shows details on good production; the Accepted page contains information on the distribution of good production; the Rejected page shows details on rejected pieces; the Miscellaneous page shows miscellaneous information, such as evaluation range and ignored pieces; the Metal Detects page shows information about metal contamination and the status of the metal detector during the batch period; and the Completeness page shows package completeness information.

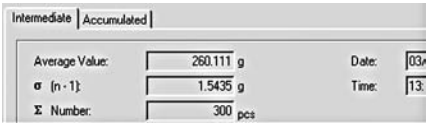
The Intermediate and Accumulated pages are shown for each of the five pages described above. The Intermediate page shows data on the latest sample by default, and the Accumulated page shows the cumulative statistics on a particular production batch, from the first to the latest sample.

The data on the Intermediate tab can be switched to different samples or intervals. Use the Interval Browser to navigate to each sample of the batch.

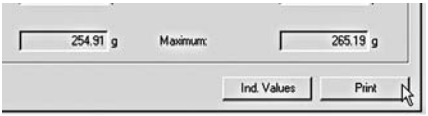
To print statistical information:



- Click on one of the six main tabs.



- Click on the Intermediate or Accumulated tab.



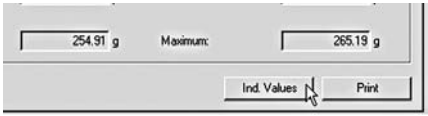
- Click the [Print] button.

> The Report Viewer opens.

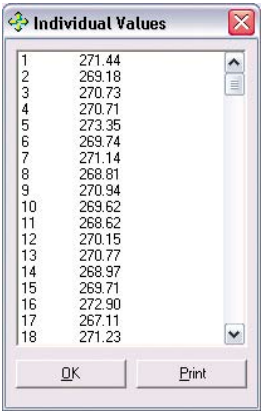
- Click the [Print Report] button on the toolbar in the Report Viewer to send the report to the printer.

Each sample has a number of individual weight values. To view these values:

- Click on the Total Production or Good Production tab.
- Click on the Intermediate tab.



- Click the [Ind. Values] button.



> The Individual Values window opens.

To print the Individual Values report:

- Click the [Print] button.

> The Report Viewer opens.

- Click the [Print Report] button on the tool-bar in the Report Viewer to send the report to the printer.

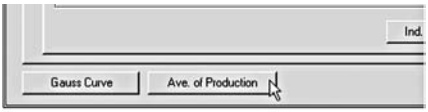
Note:
The number of individual values is limited to 200.

To view the Gaussian distribution of the production batch:

- Click the [Gauss Curve] button from the bottom left part of the Statistics window.

> A graph of the Gaussian distribution is shown.

To view the average production graph for the particular batch:



- Click the [Ave. of Production] button in the bottom left-hand corner of the Statistics window.

> A graph of the production average opens.

See “Monitoring Production Batches” for more information about using the graph window.

To close the Statistics window:

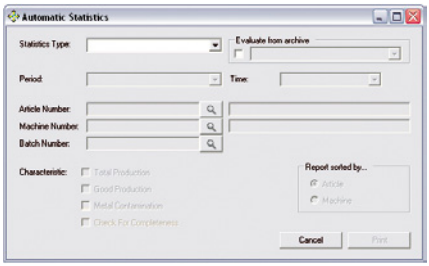
- Click the [Close] button in the bottom right-hand corner of the window.

Evaluating Statistics

Automatic Statistics
'Automatic statistics' is the term applied to data collected automatically during batch processing. This data is classified as batch, shift, hourly, daily, weekly, monthly, or yearly statistics.

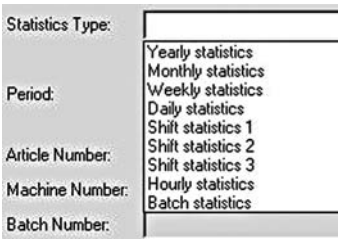
To open the Automatic Statistics window:

- Open the Evaluation menu in the main window and select "Automatic Statistics."

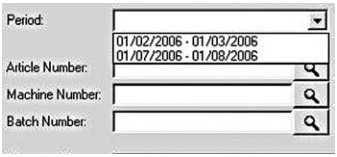


> The Automatic Statistics window opens.

Before data can be printed, you need to define which data the report will contain.



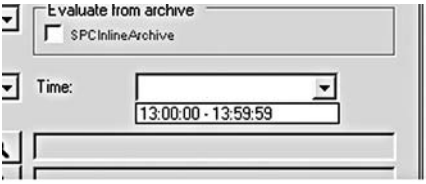
- Select a type of statistics from the drop-down list in the "Statistics Type" field.



> The "Period" field is enabled.

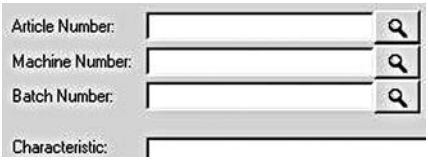
- Select an item from the drop-down list in the "Period" field.

If no value is available for this field, a message box informs you of the fact.



If you have selected hourly statistics:

○ Select a value in the “Time” field after selecting a period.



● Enter values in all three of the subsequent fields:
– “Article Number”
– “Machine Number”
– “Batch Number”

Note:
Wild cards are permitted in these fields. An asterisk (*) can be used as a placeholder for any number of characters; a question mark (?) stands for a single character.

You can select from among existing values in the Item Selection dialog.

To open this dialog:

● Click the [Search] button next to the Article Number field.

> The Item Selection dialog opens.

Items listed in this dialog are designated in the following format: <article number> – <article description>. When the Item Selection window is opened to select a machine or batch, the list shows <machine number> or <batch number> rather than article data.

● Select an item from the list.

● Click [Ok].

> The selected item is entered in the Article Number field.
Follow this procedure to enter machine number and batch number as well.

> Select one or more characteristics to be included in the report.

○ Under “Report sorted by...” you can specify whether data in the report is sorted by article or machine.

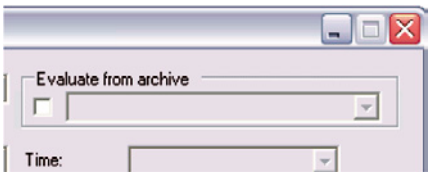
● Click the [Print] button.

> The Report Viewer opens.

● Click the [Print Report] button on the toolbar in the Report Viewer to send the report to the printer.

To evaluate data in archived records:

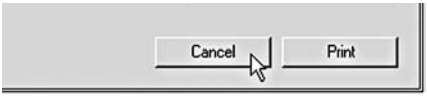
● Activate the “Evaluate from archive” option in the upper right-hand corner of this window.



> The dropdown list is enabled.

● Select a database name from the list.

● Proceed as described above to print the report.



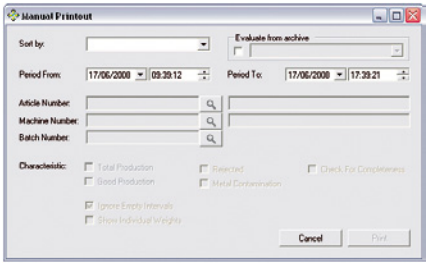
To close the window,

- Click [Cancel].

Manual Printout

To open the Manual Printout window:

- Open the Evaluation menu in the main window and select “Manual Printout.”



> The Manual Printout window opens.

- Select a sorting option from the drop-down list in the “Sort by” field.

> The subsequent fields are enabled.

By default, the “Period From” and “Period To” fields show the time and date of the first sample and the current time and date, respectively.

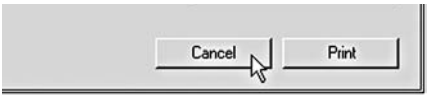
○ You can edit these values as desired.

- For details on entering the desired article, machine and batch numbers, see “Automatic Statistics.”

- Select one or more characteristics to be displayed.

○ Select “Show Individual Weights” to display the weight values of each interval.

○ Select “Ignore Empty Intervals” to suppress empty intervals from the report.



● Click the [Print] button.

> The Report Viewer opens.

● Click the [Print Report] button on the toolbar in the Report Viewer to send the report to the printer.

To evaluate data in archived records:

● Activate the “Evaluate from archive” option in the upper right-hand corner of this window.

> The dropdown list is enabled.

● Select a database name from the list.

● Proceed as described above to print the report.

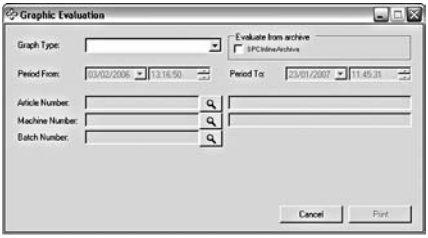
To close the window:

● Click [Cancel].

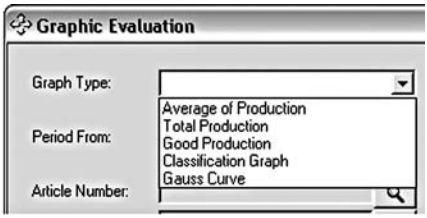
Graphic Evaluation

To open the Graphic Evaluation window:

● Open the Evaluation menu in the main window and select “Graphic Evaluation.”



> The Graphic Evaluation window opens.



- Select a type of graph from the drop-down list in the "Graph Type" field.

> The subsequent fields are enabled.

By default, the "Period From" and "Period To" fields show the date and time of the first sample, and the current date and time, respectively.

○ You can edit these values as desired.

- For details on entering the desired article, machine and batch numbers, see "Automatic Statistics."

Note:
Wildcards are not permitted when defining a graphic evaluation.

- Click the [Print] button.

> The Graph window opens. See "Monitoring Production Batches" for more information about using the graph window.

To evaluate data in archived records:

- Activate the "Evaluate from archive" option in the upper right-hand corner of this window.

> The dropdown list is enabled.

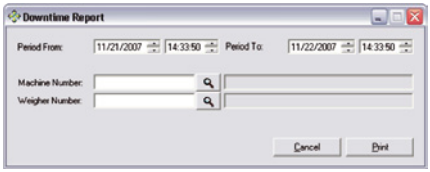
● Select a database name from the list.

● Proceed as described above to print the report.

To close the window:
● Click [Cancel].

Device Downtime Report
Downtime happens when the number of products running through the device drops to zero while the batch is still on-going.
To view the downtime report:

● Open the Evaluation menu in the main window and select “Downtime Report.”



> The Downtime Report window opens.

By default, the downtime period is set to one day starting from the previous day specified in “Period From” field.

○ You can edit these values as desired.

● Enter values in all two of the subsequent fields:
– “Machine Number”
– “Weigher Number”

● Click the [Print] button.

> The Report Viewer opens.

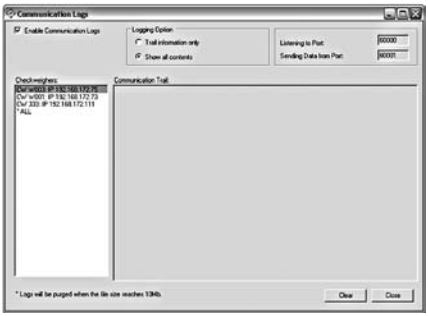
To close the window:
● Click [Cancel].

Monitoring Data Communications

Using the Communication Logs Window

To open the window:

- Open the View menu and select “Communication Logs.”



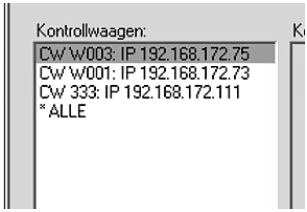
> The Communication Logs window opens.

Logged data is shown in the “Communication Trail” box. You can choose between two logging modes from the “Logging Option” box:

– Select “Trail information only” to view one-line entries containing only a brief description of the communication activity and a time stamp

– Select “Show All Contents” to view the contents of the data being transferred to and from the checkweighers.

By default, all data from all checkweighers connected to the server is displayed in this window. If you prefer to monitor only a specific device:



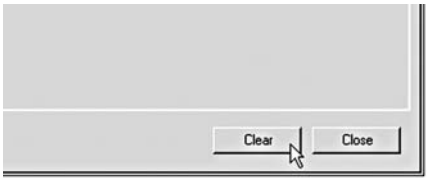
● Select an item other than '*ALL' from the drop-down list in the "Checkweighers" field.

> Only the data pertaining to the selected item (checkweigher) is displayed.

If you do not need the communication log file:

○ Deselect the "Enable Communication Logs" option in the top left-hand corner of this window.

The program automatically deletes the data in the log file when a certain number of lines has been reached. You can delete this data manually at any time.



To do this:

● Click the [Clear] button at the bottom of the Communication Logs window.

> You are prompted to confirm before the data is deleted.

● Click [Yes] to proceed.

To close the window:

● Click the [Close] button.

Backup and Archiving

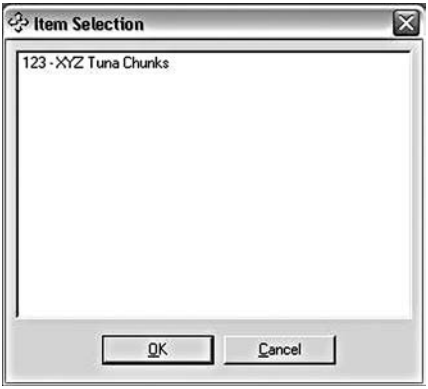
Archiving Samples
To open the Backup window:

- Open the File menu in the main window and select “Backup Process Data.”

> The Backup window opens.

To backup saved data,

- Click the [Search] button (magnifying glass) next to the “Article Number” input field.

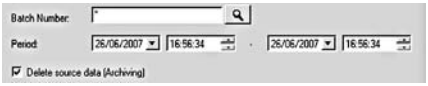


> The Item Selection window opens.

- Select an article from the list.

Note:
Wild cards are permitted in these fields. An asterisk (*) can be used as a placeholder for any number of characters; a question mark (?) stands for a single character. To represent all possible values, enter only an asterisk (without any other characters).

- Follow the same procedures for the “Machine Number” and “Batch Number” fields.

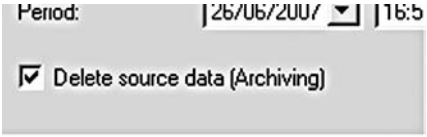


- Enter the starting and stop times and dates for the desired period in the “Period” fields.

The data to be backed up is filtered according to the dates provided. Data that was not collected during the defined period is not backed up. The default start date is the earliest sample date, and the default end date is x days prior to the latest sample date, where x is the number of days set for retroactive evaluation on the Archiving dialog page of the system settings.

○ Set the “delete source data” option as desired.

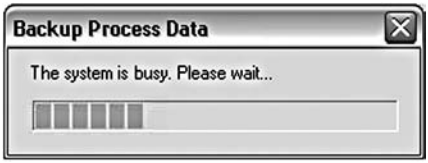
Specify whether or not samples are deleted after backup:



– Select the “Delete source data (Archiving)” option before starting the backup process to have the original sample data deleted once the backup copy has been created. This is equivalent to the archiving process, as sample data is no longer available for the current evaluations, while the current automatic statistics are not deleted.

– Deactivate the “Delete source data (Archiving)” option to retain the samples after backup. These samples are internally marked as backed up, and will not be processed the next time you run a backup operation.

● Click “Start backup” to begin the backup operation.



> The Progress Indicator dialog is displayed during backup.

To open the Help program for backup functions:

- Click the [Help] button or press F1 key.

> The Help window opens.

To view details on the backup process:

- Click the [Info] button.

> The Info window opens.

The window shows the following information:

- Current data: Shows the dates of the earliest and latest samples stored in the main database.
- Number of samples: The current number of samples stored in the main database.
- Data on current backup path: Shows the dates of the earliest and latest samples stored in the archive database.

- Click [OK] to close this window.

To close the backup window:

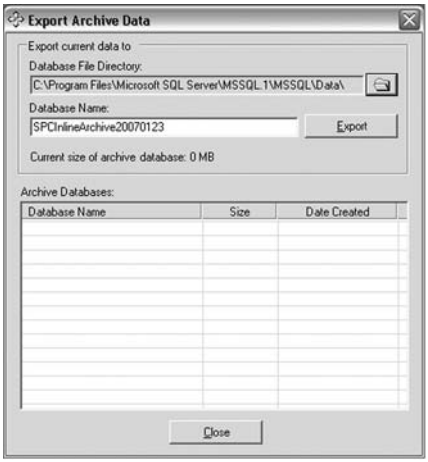
- Click [Cancel] in the lower right-hand corner of the window.

> The Backup window closes.

Exporting Archived Data
Delete data from the archive database at regular intervals to keep the use of storage space at reasonable levels. You can purge the database without data loss by exporting data to a different file.

To open the Export Archive Data window:

- Open the File menu in the main window and select “Export Archive Data.”



> The Export Archive Data window opens.

The “Database File Directory” field shows a default directory for the new database file. To specify a different directory:

- Click the [Browse] button (represented by an open folder).

> The Browse For Folder dialog opens.

- Select a folder from the list.

○ Click the [Make New Folder] button if you wish to create a folder.

● Click [OK] to proceed.

Export Archive Data
ModifyTable:CREATE DATABASE Failed. Some file names listed could not be created. Check related errors.
CREATE FILE encountered operating system error 5(Access is denied.) while attempting to open or create the physical file 'C:\SPCInlineArchive20060907.MDF'.
OK

Note:
If the SQL Server account is not permitted to create a database file in the default database file directory, an error message is shown. In most cases, you need to browse to the following directory: "\Program Files\Microsoft SQL Server\MSSQL.x\MSSQL\Data\," where x is any number (e.g., \Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Data\).

The "Database Name" field also shows a default value. You can edit the name as desired. If the name you enter is already in use, an error message is shown.

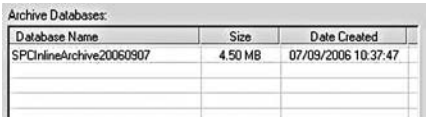
To begin exporting data:

● Click the [Export] button.

> You are prompted to confirm.

● Click [Yes] to proceed.

> A progress indicator is displayed.



Once the data has been successfully exported, the database name is shown in the "Archived Databases" list. This list shows information about the databases in which archived data has been exported.

To close the window:

● Click the [Close] button.

The Report Viewer

Using the Report Viewer
Reports are opened in the Report Viewer before being sent to the printer. This lets you check the layout, page count, and content before a hard copy is produced. You can cancel the print job before printing, if desired.

Use the following buttons to navigate the pages of a report:

– First page: Jump directly to the first page of the report.

– Last page: Jump directly to the last page of the report.

– Next page: Click repeatedly to scroll through the report one page at a time from lower to higher page numbers.

– Previous page: Click repeatedly to scroll through the report one page at a time from higher to lower page numbers.

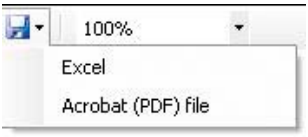
To go directly to a specific page:

● Type the desired page number from the Current Page field.

● Press the [Enter] key.

> The page is opened in the Report Viewer.

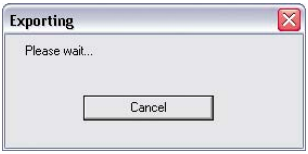
You can export the report to other formats, such as PDF (portable document format), and MS Excel.



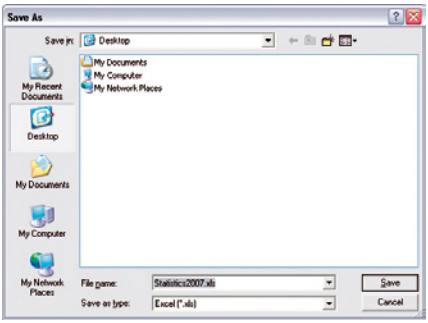
- Click the [Export] button.

> The dropdown menu opens.

- Select the desired format from the menu.



> The Progress dialog opens. Wait while the report is being exported.

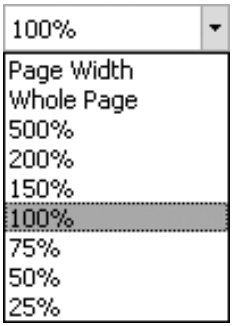


> The "Save As" dialog opens.

- Enter the file name.
- Click the [Save] button.

> The file is saved to the specified directory.

To adjust the size of the report page in the Report Viewer:



● Click the [Zoom] drop-down button. There are three options for re-sizing the report.

To change the size of the report as displayed:

– Select “Page Width” to adjust the width of the report to the window.

– Select “Whole Page” to show the entire page in the window.

– Select a specific zoom factor: 500%, 200%, 150%, 100%, 75%, 50%, or 25%.

● Select the desired zoom factor.

> The page view is resized accordingly.

To search for specific texts within the report:

● Enter the word or phrase you wish to find in the [Search Text] field.

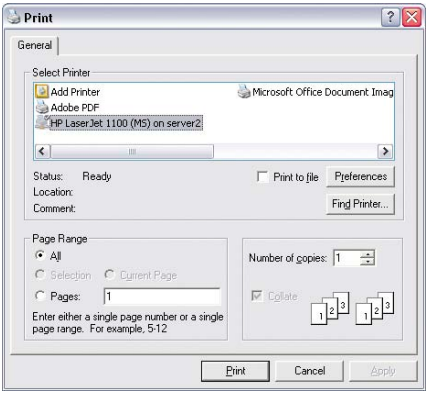
● Click [Find] to proceed.

> If the text exists, the first match found is highlighted.

○ Click [Next] to search for the next match, going on until the end of the report is reached, if desired.

To print the report document:

- Click the [Print] button.



> The Print dialog opens.

- Specify your printing preferences, such as number of copies, paper layout, pages to be printed, etc.
- Click [Print] to print the report.

Using SPC@Inline Services

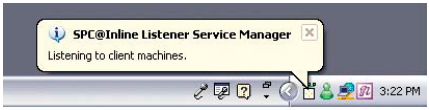
There are four services that are installed along with SPC@Inline.

Socket Listener Service
The SPC@Inline Listener Service is responsible for gathering data from the devices. During batch processing, it is necessary that the service is running. Data are processed by the service even if the main application is closed. By default, the service is opened during computer startup. For manual configuration, the Listener Service Manager is used.

To open the Listener Service Manager,

- Click the Windows [Start] button and select [Sartorius], [SPCInline], [Services], [Listener].

> The icon shows up in the task bar.



- Right-click on the icon.

> The shortcut menu appears.

– [Start Listening]. Starts the server socket.

– [Stop Listening]. Stops the server socket.

– [Settings]. Opens the Listener settings dialog.

– [Installation List]. Opens the Installation List dialog.

– [Exit]. Closes the Listener Service Manager application.

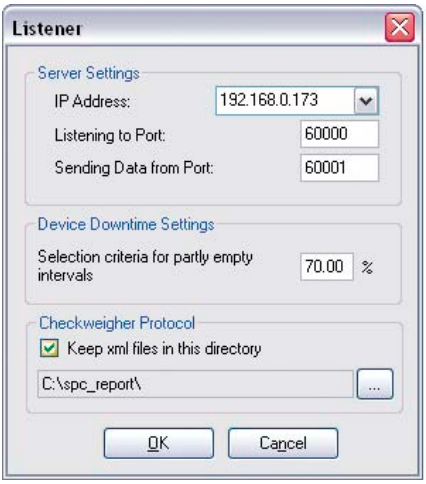
To open and use the settings dialog,

○ From the shortcut menu, select “Stop Listening.” This is necessary if the server socket is currently open or running.

● Right-click on the icon.

● Select the “Settings” menu item.

> The Listener dialog appears.



● Modify the fields as needed.

The “IP Address” field refers to the IP address assigned to the server hosting the SPC@Inline application.
The value of the IP address should appear in the checkweigher’s “Server IP” parameter in the TCP/IP Configuration dialog (614|1).
The parameter “XML Client – TCP Port number” should have a value similar to the value of the field “Listening to Port.”
The parameter “XML Server – TCP Port number” should have a value similar to the value of the field “Sending Data from Port.” In the same dialog, “Selection criteria for partly empty intervals” refers to the percentage of the number of individual weights that are missing from the expected number. If the given percentage is reached during batch processing, this will be considered as down time.

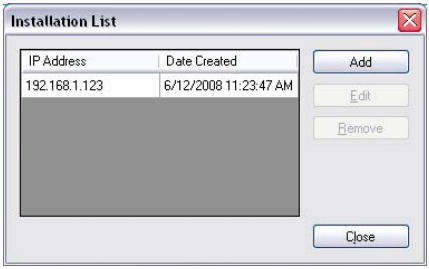
Important note:
The detection of down times only works if the interval in the checkweigher is set to time and not to pieces!

● Click [OK] to save the changes.

> The settings dialog closes.

○ From the shortcut menu, select “Start Listening.” The new setting is applied.
To open and use the Installation List dialog:

● Right-click on the icon.



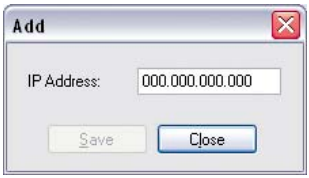
● Select “Installation List” menu item.

> The Installation List dialog appears.

The list contains the IP addresses of the SPC@Inline compact installations (Additional Master PC) within the network, including the IP address of the server where the listener service is installed.

To add an IP address to the list:

● Click the [Add] button.



> The Add dialog displays.

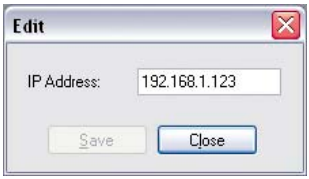
● Type IP Address.

● Click the [Save] button to add item to the list.

To edit an IP address to the list:

● Select an item from the list.

● Click the [Edit] button.



> The Edit dialog displays.

● Modify the IP Address.

● Click the [Save] button to save changes.

To remove an item from the list:

● Select an item from the list.

● Click the [Remove] button.

> The Remove confirmation appears.

● Click the [Yes] button to remove the item from the list.

Automatic Archiving

The Auto-Archiver automatically creates a backup of statistical records at a specified interval. Records are transferred from the main data storage to the archive data storage area.

To open the Auto-Archiver service:

● Click the Windows [Start] button and select [Sartorius], [SPCInline], [Services], [Auto-Archiver].

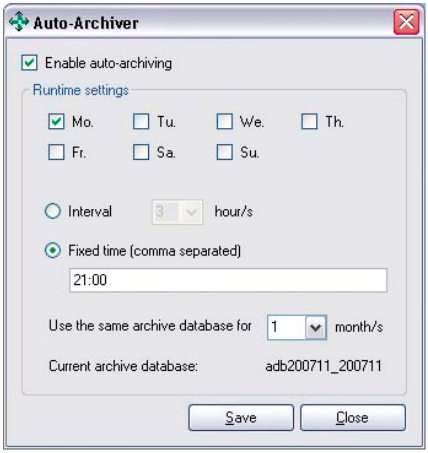
> The icon of the service appears in the system tray.

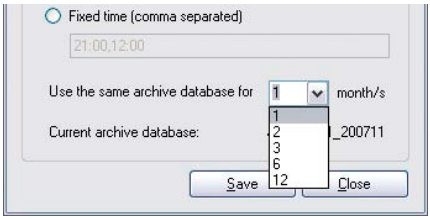
> The Service Settings dialog opens automatically when launched for the first time.

To open the Auto-Archiver Service Settings dialog:

● Right-click on the icon.

● Select “Settings” menu item.





> The Service Settings dialog appears.

- Select the “Enable auto-archiving” option to activate the service.
- Select the desired day or days when the service should archive the records.
- Specify the time interval by selecting one of the options:

– “Interval.” Select the interval in hours (3, 6, 8, 12 hours).

– “Fixed time.” Specify the times in 24-hour notation separated by commas: e.g. 8:00, 13:30, 21:00

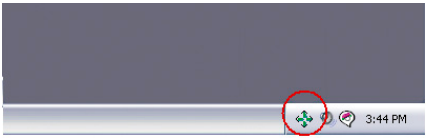
The archive database is automatically named and created. The database will be used for archiving for a time period of 1, 2, 3, 6, or 12 months. By default, the database is used for one month only, after which a new one is created. You may select the desired duration from “Use the same archive database” field.

- Click [Save] when done.
- Click [Close] to close the dialog.

Automatic Statistics Printout
The statistics report printouts statistics are created automatically by the Auto-Printing service during a specified interval.

To open the Auto-Printing service:

- Click the Windows [Start] button and select [Sartorius], [SPCInline], [Services], [Auto-Printing].

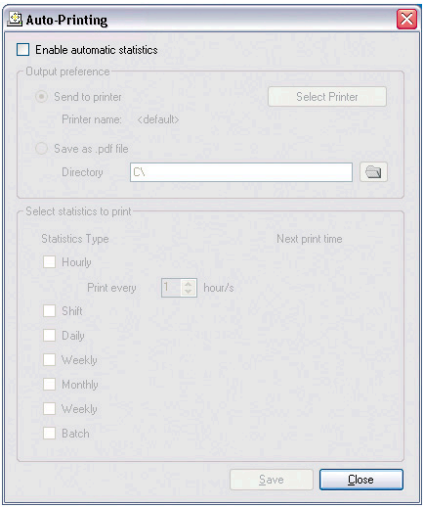


> The service icon appears in the system tray.

> The Service Settings dialog opens automatically when launched for the first time.

To open the Auto-Printing Settings dialog:

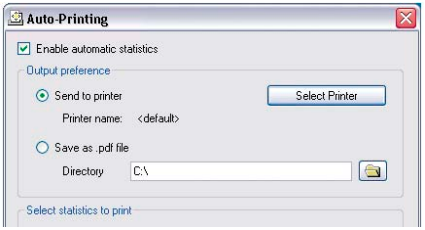
- Right-click on the icon.
- Select “Settings” menu item.



> The Service Settings dialog appears.

- Select the “Enable automatic statistics” option to activate the service.

> The input fields are enabled.



- Select the output preference.

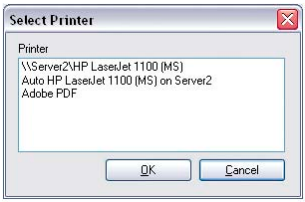
– “Send to printer.” Sends the report file directly to the printer.

– “Save as .pdf file.” Saves the report file to the specified directory as a portable document file.

If “Send to printer” is selected, specify the name of the connected printer hardware.

To do so:

● Click the [Select Printer] button.



> The Select Printer dialog appears.

● Select the name of the desired printer from the list.

● Click the [OK] button.

If “Save to .pdf file” is selected, specify the directory where the files will be stored. To do so:

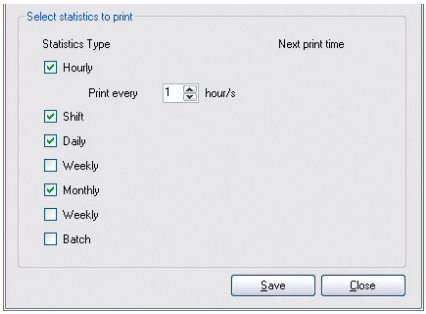
● Click the [Browse] button.

> The Browse for Folder window opens.

● Select a folder from the list.

– Click the [Make New Folder] button if you wish to create a folder.

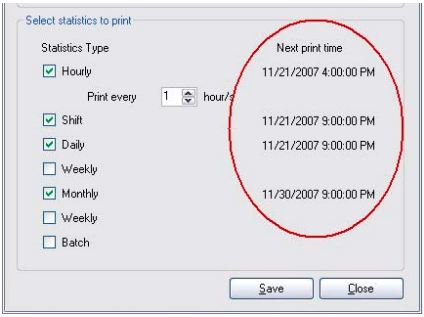
● Click [OK] to proceed.



● Select the statistics types to be printed regularly.

○ For the hourly statistics, you may want to specify the interval in hours. The default is 1 hour meaning that hourly statistics will be processed at the end of every hour.

● Click the [Save] button to save the settings.



> The next printout processing schedules are displayed in the “Next print time” column.

● Click the [Close] button to close the dialog.

Email Notification
Violations committed during batch processing can be sent via email. This is done using the Email Notification service.

To open the Email Notification Service manager:

● Click the Windows [Start] button and select [Sartorius], [SPCInline], [Services], [Email Notification].

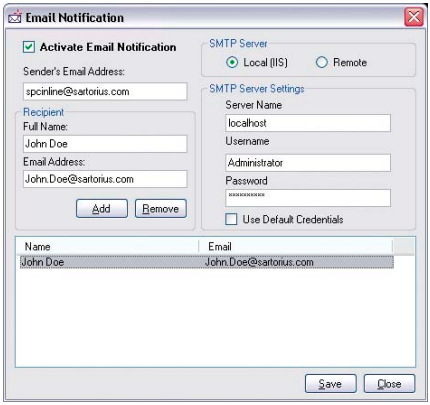
> The icon of the service appears in the system tray.

> The service settings dialog opens automatically when launched for the first time.

To open the Email Notification Service dialog:

● Right-click on the icon.

● Select “Settings” menu item.



> The service settings dialog appears.

● Select the “Activate Email Notification” option to activate the service.

> The input fields are enabled.

● Select an SMTP Server.

If “Local (IIS)” is selected as the SMTP Server, Microsoft Internet Information Services must be installed.

If “Remote” is selected as the SMTP Server:

● From the “Sender’s Email Address,” enter the valid email address of the sender, which is the SPC@Inline application.

To add one or more mail recipients:

● Enter the Full Name.

● Enter the valid Email Address.

● Click the [Add] button.

> The recipient information is added to the list.

○ To add more recipients, repeat the procedure as required.

To remove a recipient:

● Select a recipient from the list.

● Click the [Remove] button.

> The recipient information is removed from the list.

● Click the [Save] button to save changes.

Licensing Procedures

Sartorius ProControl@Inline (Demo)
DEMO VERSION
You are using a 30-day demo version of SPCInline.
The software will expire on 22/02/2007.
If you decide to keep the software, please activate your copy.
Show License Viewer
How to activate?
Locate valid "spcinline.lic" file.
Activate
Continue
Exit

Ordering Product Licenses
The software is shipped with a 30-day license for trial and demonstration purposes. This includes one license for the SPC@Inline server application and one license for a single checkweigher.

A message window opens every time the program is launched indicating that the software is a demo version.

After the 30-day demo license expires, the program cannot be used again until you obtain a “full version” license file.

To order a full version license:

- Contact the software manufacturer (via phone or e-mail).
- Provide them with your company name, contact details, product ID, order codes, and installation code.
- Specify the order code(s) and the number of licenses for each code.

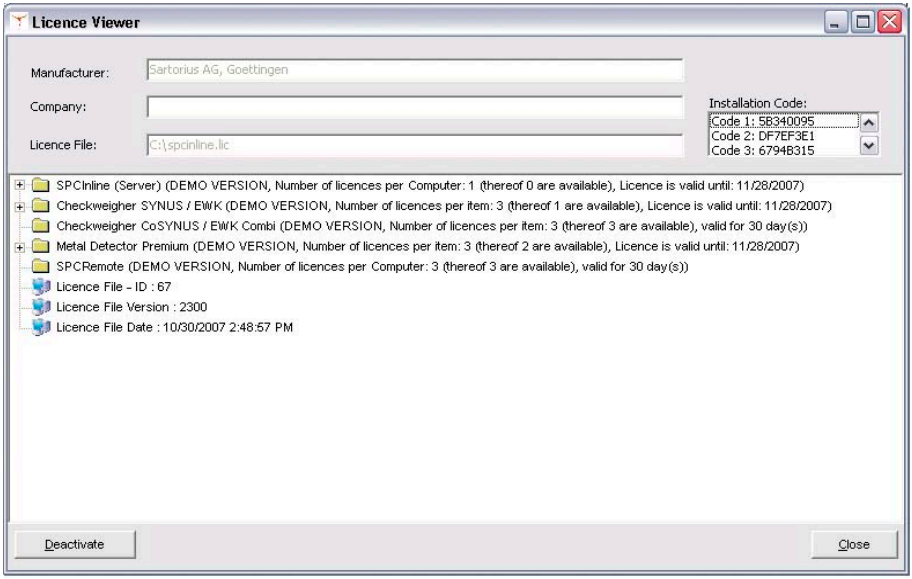
Valid order codes are:

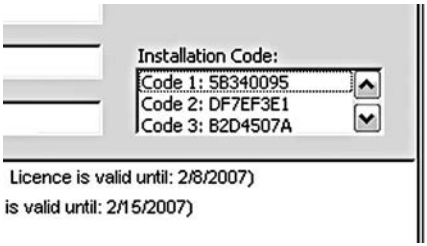
- 62899XS: License per connected EWK or SYNUS checkweigher (specify number of licenses)
- 62899XCombi: License per connected EWK Combi or CoSYNUS checkweigher (specify number of licenses)
- 62899XMDP: License per connected Metal Detector Premium (specify number of licenses)
- 62899XM: License for the SPC@Inline full installation (only 1 per customer)
- 62899XM-L: License(s) for additional SPC@Inline “Compact Installation” versions (specify number of installations, up to 255)
- 62899XV: License per connected Vistus metal detector (specify number of licenses, up to 255)

To obtain the installation code:

- Click the “Show License Viewer” link in the demo version notification dialog, or click the Windows [Start] button and select [Sartorius], [SPCInline], [License Viewer] from the Start menu.

> The License Viewer window opens.


Licence Viewer
Manufacturer:
Sartorius AG, Goettingen
Company:
Licence File:
C:\spcinline.lic
Installation Code:
Code 1: 5B340095
Code 2: DF7EF3E1
Code 3: 6794B315
SPCInline (Server) (DEMO VERSION, Number of licences per Computer: 1 (thereof 0 are available), Licence is valid until: 11/28/2007)
Checkweigher SYNUS / EWK (DEMO VERSION, Number of licences per item: 3 (thereof 1 are available), Licence is valid until: 11/28/2007)
Checkweigher CoSYNUS / EWK Combi (DEMO VERSION, Number of licences per item: 3 (thereof 3 are available), valid for 30 day(s))
Metal Detector Premium (DEMO VERSION, Number of licences per item: 3 (thereof 2 are available), Licence is valid until: 11/28/2007)
SPCRemote (DEMO VERSION, Number of licences per Computer: 3 (thereof 3 are available), valid for 30 day(s))
Licence File - ID : 67
Licence File Version : 2300
Licence File Date : 10/30/2007 2:48:57 PM
Deactivate
Close



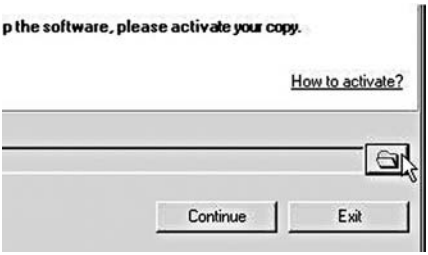
The list of installation codes is located in the upper right-hand corner of the window. Four installation codes are listed; select either Code 2 or Code 3.

Note:
When submitting the installation code, be sure to indicate which code it is; for example, “Code 2: DF740095.” Sending only the 8-character code (in this case, DF740095) is not sufficient.

Activating the Product
After you submit the required information as described above, a new license file will be sent to you. To activate the full version of the software, replace the old license file with the new one as follows:

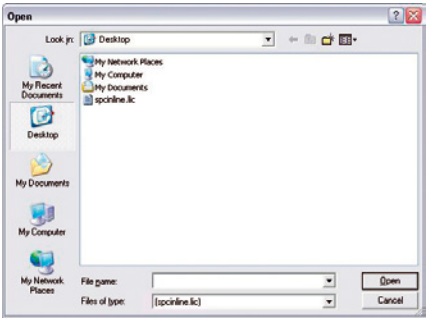
- Run the SPC@Inline program.

> The Demo Version Notification dialog opens.



- Click the [Browse] button.

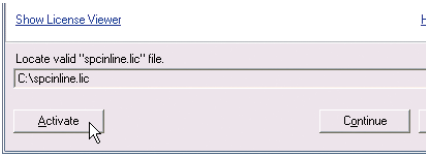
> The Open dialog opens.



- Select the new license file.
- Click the [Open] button.

> The Open dialog closes.

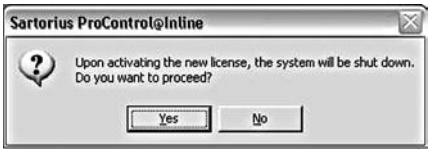
> The complete file name of the license file is displayed in the “Locate valid ‘spcinline.lic’ file” field.



- Click the [Activate] button.

Alternatively, you can replace the old license file using the Update License... dialog.

- Open the File menu in the main window and select “Update License....”



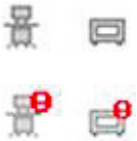
> You are prompted to confirm.

- Click [Yes] to proceed.

Note:
If any production batches are running, the dialog will not open and you cannot update the license at that time.

> The Update License... dialog opens.

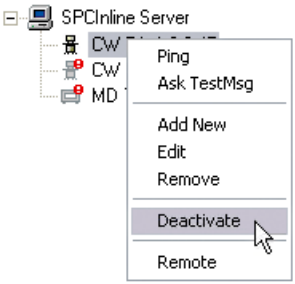
Note:
If the license file is invalid, an error may occur after which you will not be able to use the program. Please contact your administrator or the software manufacturer should this occur.



Activating the Device License
After you obtain the required device licenses (see Ordering Product Licenses), you need to activate each device license individually. Checkweighers or metal detectors that do not have active licenses are represented by gray checkweigher or metal detector icons in the Network Configuration window.

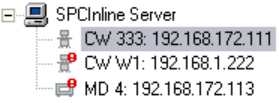
To activate a device license:

- Open the Network Configuration window. (See “Registering the Devices” for more information.)
- Right-click on a device node in the Network Nodes tree.



> A shortcut menu opens.

- Select the “Activate” menu item.

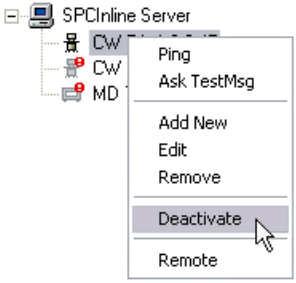


> The icon of the activated checkweigher changes.

Make sure you order sufficient licenses with your 62899XS, 62899XCombi, and/or 62899XMDP order codes. The number of available licenses is shown at the bottom of the Network Nodes tree pane.

Device licenses are fully transferable; in other words, you can deactivate a given license for one device and activate it for another. This is only possible though for devices of the same type, e.g. EWK to EWK, CoSYNUS to CoSYNUS, etc.

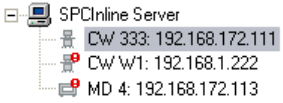
To do this:



- Right-click on a device node in the Network Nodes tree.

> A shortcut menu opens.

- Select the “Deactivate” menu item.



> The icon of the activated device changes.

You can now activate this license for another device.

Note:
You can not deactivate a device license while the device it is assigned to is processing a batch.

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